

Subject Name: Science – Biology, Chemistry, Physics and Psychology	
Subject intent incorporating ambition, community and kindness where possible: Feel free to use what is already there and tweak	
<p>Science has changed our lives and is vital to the world’s future prosperity. Our curriculum is ambitious, with all pupils being taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils are encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They are encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.</p> <p>Science is a motivating and inspiring journey of investigation and discovery, which we make as ‘hands on’, fun and relevant as possible. We believe the skills learnt in science are key to enabling our students to understand, analyse and evaluate the complex world around them, with kindness and a sense of reflection.</p> <p><b>Biology curriculum statement</b> - Biology is the science of living organisms (including animals, plants, fungi and microorganisms) and their interactions with each other and the environment. The study of biology involves collecting and interpreting information about the natural world to identify patterns and relate possible cause and effect. Biology is used to help us improve our own lives, community and to understand the world around us.</p> <p><b>Chemistry curriculum statement</b> - Chemistry is the science of the composition, structure, properties and reactions of matter, understood in terms of atoms, atomic particles and the way they are arranged and link together. It is concerned with the synthesis, formulation, analysis and characteristic properties of substances and materials of all kinds.</p> <p><b>Physics curriculum statement</b> - Physics is about understanding the world around us from the tiniest particle to the staggering enormity of the Universe. Physics uses the latest and the most advanced technology to probe the mysteries of the sub-atomic, quantum world and the most distant detectable astronomical phenomena. Physics uses mathematics and models as well as practical experimentation to study the behaviour of matter, energy, waves, forces and fields.</p> <p><b>Psychology curriculum statement</b> is the scientific study of mind and behaviour: why do people do, think and feel as they do? The study of psychology involves designing experiments to test our common sense assumptions about how people work, to determine to what extent these are accurate. Psychology does not have a single paradigm: psychologists work from different approaches to define and explore how human beings operate.</p>	

<b>Teachers of Science</b>	
Director of Science & Technology	Kate Simons
Head of Biology	Julia Owen

Head of Chemistry	Samantha Whitehead
Head of Physics	Emma Hopkin
Science	Alexandra Blagden
Science	Lisa Kemp
Science	Amy Close
Science	Rachel Mercer
Science	Peter Dodsworth
Science	Mike Smith
Science	Lydia Timbrell
Science	Shaun Stanbury